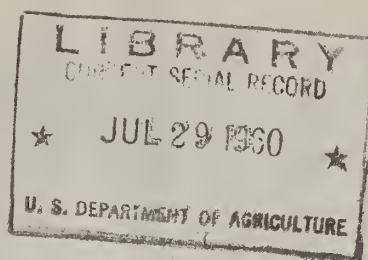


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BULK COOLING TANKS

on farms

*supplying federal
milk order markets*

DAIRY DIVISION
AGRICULTURAL MARKETING SERVICE
U. S. DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C.

AMS-261 (1960)
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**BULK COOLING TANKS ON FARMS
SUPPLYING FEDERAL MILK ORDER MARKETS, JANUARY 1960**

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Producers who used bulk milk cooling tanks represented 42.4 percent of all producers who delivered milk in January 1960 to handlers regulated under 76 Federal milk marketing orders. These producers delivered nearly twice as much milk per producer as did those who shipped in cans, and they supplied 57.9 percent of the total amount of milk received from producers in these markets. Daily deliveries of milk per producer for those using bulk tanks averaged 837 pounds, while can shippers averaged only 449 pounds per day per producer.

In three-fourths of the 76 markets, over half of the milk was delivered by producers who used bulk tanks. In 7 markets, all of the milk came from bulk tanks, and over 90 percent of the milk in 25 markets was from producers with bulk tanks. The smallest proportion of bulk tank milk was received by handlers in New York-New Jersey, Clarksburg, Michigan Upper Peninsula, Fort Wayne, and Fort Smith. These were the only markets where milk received from producers with bulk tanks was less than 25 percent of total receipts from producers.

Information from a group of 51 markets for which data were available for the past five years shows the extent to which producers have converted to bulk handling of milk. In January 1956, receipts from producers having bulk tanks represented only 17.6 percent of the total in this group of markets. In 1960, bulk tank milk represented 67.4 percent of total receipts from producers in these 51 markets.

The number of bulk tanks, by size, was reported for 67 markets. Producers in these markets used a total of nearly 49 thousand tanks, most of which (60.2 percent) had capacities of 200-399 gallons. Over one-fourth of the tanks had capacities of 400 gallons or more, while tanks of less than 200 gallons accounted for 11.5 percent of the total number reported.

As in previous years, over half of the tank trucks which collected milk from farm tanks were owned by independent haulers. In nearly all of the markets, most of the bulk routes were serviced every other day, while daily collections were made on most can routes.

Table 1.--Milk receipts from producers having bulk milk tanks as percent of total receipts from producers by handlers regulated under Federal milk orders for the month of January, 1956-60

Market	Bulk as percent of total				
	1956	1957	1958	1959	1960
	Percent				
NEW ENGLAND					
Boston 1/	8.6	14.2	20.6	28.9	38.7
Springfield	28.3	45.1	58.7	64.7	74.0
Worcester	33.4	44.2	56.8	68.5	81.4
Southeastern N.England:	2/	2/	2/	75.2	84.0
Group total				43.7	53.0
MIDDLE ATLANTIC					
New York-New Jersey	1.4	2/	2/	13.9	20.4
Philadelphia	5.3	8.3	10.6	17.4	26.4
Group total				14.4	21.2
SOUTH ATLANTIC					
Wilmington	2/	3/16.6	21.2	44.7	64.9
Washington, D. C.	2/	2/	2/	2/	96.3
Wheeling	3.9	9.5	20.0	32.7	42.9
Clarksburg	0	0	0	0	2.2
Tri-State	0	4.6	10.3	35.8	55.0
Bluefield	2/	29.8	62.9	72.1	88.3
Appalachian	13.7	28.0	55.1	61.5	70.6
Southeastern Florida	2/	2/	100.0	100.0	100.0
Group total 4/				63.8	72.4
Group total					82.2
EAST NORTH CENTRAL					
Eastern Group					
Upstate Michigan	2/	4.4	38.2	57.1	77.4
Muskegon	0	0	49.0	77.9	90.6
Detroit	2/	11.6	27.1	39.0	48.6
Toledo	1.8	16.9	34.8	64.7	85.2
Northeastern Ohio 5/	2.8	7.8	15.1	30.7	38.6
North Central Ohio	18.3	26.1	47.0	60.6	66.5
Columbus	.6	6.9	19.5	35.5	53.6
Dayton-Springfield	17.7	38.6	53.4	67.9	83.7
Cincinnati	8.2	21.8	34.2	44.9	59.6
Group total				42.2	53.6
Western Group					
Mich. Upper Peninsula	2/	2/	2/	13.2	19.5
Northeastern Wisconsin:	2/	2/	2/	2/	87.7
Milwaukee	39.6	74.9	87.2	93.0	93.2
Rockford-Freeport	2/	65.7	88.6	100.0	100.0
Chicago	24.2	45.6	59.1	71.7	80.1
S.Bend-LaPorte-Elkhart:	20.2	43.3	65.1	62.5	79.8
Fort Wayne	1.3	0	0	.4	1.4
Group total 4/				71.5	79.1
Group total					79.6

Continued

Table 1.--Milk receipts from producers having bulk milk tanks as percent of total receipts from producers by handlers regulated under Federal milk orders for the month of January, 1956-60 -Continued

Market	Bulk as percent of total				
	1956	1957	1958	1959	1960
	Percent				
WEST NORTH CENTRAL					
Northern Group					
Duluth-Superior	0	16.3	33.9	41.0	54.1
Minneapolis-St. Paul	2/	61.8	86.5	91.1	95.1
Eastern South Dakota	24.7	80.7	87.6	100.0	100.0
Sioux Falls-Mitchell	71.3	85.6	93.3	94.0	97.7
Black Hills	52.0	74.4	93.9	96.5	100.0
North Central Iowa	2/	2/	94.5	95.8	95.7
Dubuque	6.3	23.8	46.9	63.8	100.0
Cedar Rapids-Iowa City	77.4	91.3	100.0	100.0	95.0
Quad Cities	16.3	28.1	34.5	47.2	64.5
Des Moines	2/	2/	2/	26.2	66.4
Sioux City	0	0	0	41.3	100.0
Omaha-Lincoln-C.Bluffs	0	37.5	83.5	99.7	99.7
Platte Valley	2/	2/	87.8	97.9	98.5
Group total				78.3	88.8
Southern Group					
St. Louis	2.1	50.1	60.8	72.0	80.6
Ozarks	13.7	7.6	30.8	32.2	40.7
Kansas City	6.0	11.4	21.1	37.2	49.2
Neosho Valley	2.4	11.6	12.9	25.5	35.3
Wichita	42.6	77.8	92.0	99.4	89.2
Southwest Kansas	0	16.7	25.1	32.8	49.8
Group total				54.8	63.2
EAST SOUTH CENTRAL					
Louisville	26.9	89.1	93.6	94.4	99.2
Paducah	14.1	63.8	78.4	77.1	85.2
Nashville	15.4	28.9	55.5	65.6	76.0
Memphis	2/	1.7	13.6	25.4	48.0
Knoxville	5.8	12.4	16.7	26.1	48.3
Chattanooga	2/	14.2	28.7	52.9	80.0
Mississippi Delta	2/	2/	2/	53.8	75.5
Central Mississippi	4.5	2.3	8.4	22.2	59.1
Mississippi Gulf Coast	2/	2/	2/	12.3	28.9
Group total				54.2	72.2
WEST SOUTH CENTRAL					
Northern Group					
Central Arkansas	2/	21.3	32.1	44.0	47.2
Fort Smith	0	0	0	0	18.5
Oklahoma Metropolitan	9.2	25.5	37.0	49.4	69.7
Red River Valley	2/	2/	2/	71.2	77.5
Texas Panhandle	2.8	7.0	31.3	60.5	91.2
Group total				50.9	67.3

Continued

Table 1.--Milk receipts from producers having bulk milk tanks as percent of total receipts from producers by handlers regulated under Federal milk orders for the month of January, 1956-60 -Continued

Market	Bulk as percent of total				
	1956	1957	1958	1959	1960
	<u>Percent</u>				
WEST SOUTH CENT. -Con.					
Southern Group					
Northern Louisiana	1.5	13.1	13.1	92.8	95.1
New Orleans	.7	.9	11.3	23.0	38.2
North Texas	20.3	38.3	60.6	74.9	88.8
Central West Texas	6.6	20.4	55.6	98.7	99.0
Austin-Waco	15.5	33.8	53.1	81.1	89.8
San Antonio	16.6	16.8	35.1	65.4	98.1
Corpus Christi	31.2	45.5	59.6	85.2	92.3
Group total				69.3	82.4
MOUNTAIN					
Great Basin	2/	2/	2/	2/	92.3
Western Colorado	2/	2/	2/	80.8	78.6
Colo. Springs-Pueblo	2/	2/	2/	2/	85.0
Central Arizona	2/	96.8	96.5	98.8	100.0
Group total 4/				97.3	98.5
Group total					94.6
PACIFIC					
Puget Sound 6/	81.0	84.5	90.0	94.3	96.9
Inland Empire	2/	0	24.5	86.2	92.3
Group total				93.1	96.3
TOTAL 4/				47.8	56.3
TOTAL					57.9
TOTAL 7/	17.6	33.2	45.0	58.1	67.4

1/ Includes Merrimack Valley prior to merger, July 1, 1959.

2/ Federal milk order not effective or data not reported.

3/ June 1957.

4/ 1960 percentage based on only those markets for which data were also reported for 1959.

5/ Cleveland and Akron-Stark County combined prior to merger August 1, 1959. Renamed Northeastern Ohio.

6/ Data reported for November of previous year.

7/ Percentages based on data for 51 markets for which reports were received for all five periods.

Table 2.--Number and percent of producers having bulk milk tanks,
Federal milk order markets, January 1959 and January 1960

Market	Number of producers		Percent of all producers	
	1959	1960	1959	1960
	<u>Number</u>		<u>Percent</u>	
NEW ENGLAND				
Boston <u>1/</u>	2,238	3,103	20.5	29.5
Springfield	546	521	47.8	55.8
Worcester	385	459	53.8	66.3
Southeastern New England	1,269	1,404	59.5	70.4
Group total	4,438	5,487	29.8	38.8
MIDDLE ATLANTIC				
New York-New Jersey	3,526	5,320	7.0	10.8
Philadelphia	847	1,313	11.1	17.8
Group total	4,373	6,633	7.5	11.8
SOUTH ATLANTIC				
Wilmington	115	133	33.3	54.3
Washington, D. C.	<u>2/</u>	2,170	<u>2/</u>	92.6
Wheeling	271	337	21.2	26.8
Clarksburg	0	4	0	.8
Tri-State	457	738	24.9	41.3
Bluefield	176	240	64.5	87.9
Appalachian	347	515	52.2	65.0
Southeastern Florida	97	106	100.0	100.0
Group total <u>3/</u>	1,463	2,073	29.2	41.8
Group total		4,243		58.1
EAST NORTH CENTRAL				
<u>Eastern Group</u>				
Upstate Michigan	285	455	50.5	75.5
Muskegon	343	375	69.6	85.8
Detroit	2,772	3,360	24.5	31.6
Toledo	745	970	52.4	78.4
Northeastern Ohio <u>4/</u>	1,423	1,986	14.8	21.7
North Central Ohio	549	589	42.5	48.7
Columbus	345	612	20.2	36.1
Dayton-Springfield	1,055	1,411	51.1	70.7
Cincinnati	952	1,539	25.8	38.7
Group total	8,469	11,297	26.4	36.5
<u>Western Group</u>				
Michigan Upper Peninsula	60	103	7.4	13.0
Northeastern Wisconsin	<u>2/</u>	1,137	<u>2/</u>	84.4
Milwaukee	1,869	1,810	90.0	90.1
Rockford-Freeport	183	188	100.0	100.0
Chicago	12,401	13,650	61.4	71.2
South Bend-LaPorte-Elkhart	638	852	49.3	70.5
Fort Wayne	1	5	.1	.6
Group total <u>3/</u>	15,152	16,608	59.7	68.7
Group total		17,745		69.5

Continued

Table 2.--Number and percent of producers having bulk milk tanks,
Federal milk order markets, January 1959 and January 1960 -Continued

Market	Number of		Percent of	
	producers		all producers	
	1959	1960	1959	1960
	<u>Number</u>		<u>Percent</u>	
WEST NORTH CENTRAL				
<u>Northern Group</u>				
Duluth-Superior	388	448	30.2	39.6
Minneapolis-St. Paul	2,923	3,124	89.4	94.2
Eastern South Dakota	155	138	100.0	100.0
Sioux Falls-Mitchell	305	313	92.4	96.3
Black Hills	126	123	94.0	100.0
North Central Iowa	613	812	93.3	93.7
Dubuque	126	177	53.6	100.0
Cedar Rapids-Iowa City	747	659	100.0	93.5
Quad Cities	321	440	35.4	51.5
Des Moines	274	645	19.5	55.7
Sioux City	85	170	26.0	100.0
Omaha-Lincoln-Council Bluffs	1,394	1,340	99.4	99.4
Platte Valley	342	340	95.8	97.4
Group total	7,799	8,729	69.6	81.8
<u>Southern Group</u>				
St. Louis	2,018	2,264	55.8	68.3
Ozarks	189	259	18.6	24.8
Kansas City	716	987	21.8	32.2
Neosho Valley	99	191	12.7	24.7
Wichita	773	834	98.5	83.5
Southwest Kansas	60	93	23.4	38.8
Group total	3,855	4,628	39.6	49.1
EAST SOUTH CENTRAL				
Louisville	1,740	1,905	91.5	99.0
Paducah	225	246	73.5	75.9
Nashville	691	855	48.6	61.6
Memphis	163	320	15.8	32.5
Knoxville	149	305	15.5	32.2
Chattanooga	334	528	43.9	74.1
Mississippi Delta	124	206	36.2	62.0
Central Mississippi	166	422	16.4	46.0
Mississippi Gulf Coast	25	57	5.4	14.1
Group total	3,617	4,844	44.1	61.1
WEST SOUTH CENTRAL				
<u>Northern Group</u>				
Central Arkansas	390	383	37.0	36.3
Fort Smith	0	23	0	9.8
Oklahoma Metropolitan	868	1,307	34.1	55.1
Red River Valley	352	395	61.8	67.8
Texas Panhandle	270	425	52.3	85.5
Group total	1,880	2,533	38.0	53.4

Continued

Table 2.--Number and percent of producers having bulk milk tanks,
Federal milk order markets, January 1959 and January 1960 -Continued

Market	Number of producers		Percent of all producers	
	1959	1960	1959	1960
	Number		Percent	
WEST SOUTH CENTRAL -Con.				
<u>Southern Group</u>				
Northern Louisiana	505	537	88.8	92.7
New Orleans	325	502	13.9	23.7
North Texas	1,724	2,040	57.5	76.7
Central West Texas	503	496	97.1	98.4
Austin-Waco	289	281	71.2	80.1
San Antonio	328	530	62.2	97.8
Corpus Christi	284	332	68.6	86.2
Group total	3,958	4,718	51.0	66.1
MOUNTAIN				
Great Basin	2/	1,252	2/	88.7
Western Colorado	112	89	72.7	73.0
Colorado Springs-Pueblo	2/	276	2/	75.2
Central Arizona	430	428	98.2	100.0
Group total 3/	542	517	91.6	94.0
Group total		2,045		87.8
PACIFIC				
Puget Sound 5/	3,162	3,176	88.3	92.6
Inland Empire	629	641	77.9	86.7
Group total	3,791	3,817	86.4	91.6
TOTAL 3/	59,337	71,884	32.5	41.0
TOTAL		76,719		42.4

1/ Includes Merrimack Valley prior to merger, July 1, 1959.

2/ Federal milk order not effective or data not reported.

3/ 1960 figures based on only those markets for which data were also reported for 1959.

4/ Cleveland and Akron-Stark County combined prior to merger, August 1, 1959. Renamed Northeastern Ohio.

5/ Data reported for November of previous year.

Table 3.--Average daily deliveries per producer by bulk tank and can shippers, Federal milk order markets, January 1959 and January 1960

Market	Bulk tanks		Cans		Ratio bulk to can	
	1959	1960	1959	1960	1959	1960
	Pounds		Pounds		Ratio	
NEW ENGLAND						
Boston 1/	607	613	384	407	1.58	1.51
Springfield	756	746	377	331	2.01	2.25
Worcester	722	731	387	329	1.87	2.22
Southeastern N.England:	863	925	419	419	2.06	2.21
Group total	708	715	387	402	1.83	1.78
MIDDLE ATLANTIC						
New York-New Jersey	1,005	1,041	467	494	2.15	2.11
Philadelphia	811	877	479	529	1.69	1.66
Group total	968	1,009	469	498	2.06	2.03
SOUTH ATLANTIC						
Wilmington	865	951	534	612	1.62	1.55
Washington, D. C.	2/	1,078	2/	522	2/	2.07
Wheeling	495	573	273	278	1.81	2.06
Clarksburg	0	1,049	348	383	---	2.74
Tri-State	452	490	269	282	1.68	1.74
Bluefield	585	551	412	507	1.42	1.09
Appalachian	684	759	468	480	1.46	1.58
Southeastern Florida	12,663	13,015	0	0	---	---
Group total 3/	1,373	1,211	320	332	4.29	3.65
Group total		1,143		343		3.33
EAST NORTH CENTRAL						
Eastern Group						
Upstate Michigan	530	579	407	521	1.30	1.11
Muskegon	649	655	422	410	1.54	1.60
Detroit	783	824	398	401	1.97	2.05
Toledo	722	774	423	467	1.71	1.66
Northeastern Ohio 4/	914	867	359	383	2.55	2.26
North Central Ohio	671	737	323	352	2.08	2.09
Columbus	799	798	369	390	2.17	2.05
Dayton-Springfield	617	674	304	317	2.03	2.13
Cincinnati	529	550	225	236	2.35	2.33
Group total	728	747	358	371	2.03	2.01
Western Group						
Mich, Upper Peninsula	752	659	399	407	1.88	1.62
Northeastern Wisconsin:	2/	856	2/	671	---	1.28
Milwaukee	861	851	592	567	1.45	1.50
Rockford-Freeport	808	802	0	0	---	---
Chicago	896	867	562	532	1.59	1.63
S.Bend-LaPorte-Elkhart:	661	691	385	419	1.72	1.65
Fort Wayne	936	777	315	344	2.97	2.26
Group total 3/	880	854	520	496	1.69	1.72
Group total		853		500		1.71

Continued

Table 3.--Average daily deliveries per producer by bulk tank and can shippers, Federal milk order markets, January 1959 and January 1960 -Continued

Market	Bulk tanks		Cans		Ratio bulk to can	
	1959	1960	1959	1960	1959	1960
	Pounds		Pounds		Ratio	
WEST NORTH CENTRAL						
<u>Northern Group</u>						
Duluth Superior	524	579	326	321	1.61	1.80
Minneapolis-St. Paul	781	811	643	666	1.21	1.22
Eastern South Dakota	735	757	0	0	---	---
Sioux-Falls-Mitchell	875	858	681	538	1.28	1.59
Black Hills	837	914	478	0	1.75	---
North Central Iowa	898	883	553	579	1.62	1.53
Dubuque	838	758	549	0	1.53	---
Cedar Rapids-Iowa City	719	688	0	514	---	1.34
Quad Cities	800	796	491	463	1.63	1.72
Des Moines	715	695	490	443	1.46	1.57
Sioux City	1,003	941	500	0	2.01	---
Omaha-Lincoln-C.Bluffs	578	630	331	328	1.75	1.92
Platte Valley	692	759	347	430	1.99	1.77
Group total	736	761	466	432	1.58	1.76
Southern Group						
St. Louis	595	655	292	339	2.04	1.93
Ozarks	655	670	316	322	2.07	2.08
Kansas City	887	956	417	469	2.13	2.04
Neosho Valley	865	747	368	451	2.35	1.66
Wichita	676	744	216	466	3.13	1.60
Southwest Kansas	845	968	529	592	1.60	1.64
Group total	679	745	367	418	1.85	1.78
EAST SOUTH CENTRAL						
Louisville	534	582	344	491	1.55	1.19
Paducah	437	493	361	270	1.21	1.83
Nashville	594	610	294	309	2.02	1.97
Memphis	944	957	458	448	2.06	2.14
Knoxville	808	807	419	411	1.93	1.96
Chattanooga	615	633	428	453	1.44	1.40
Mississippi Delta	779	793	380	425	2.05	1.87
Central Mississippi	633	705	431	417	1.47	1.69
Mississippi Gulf Coast	731	729	285	314	2.56	2.32
Group total	585	640	390	385	1.50	1.66
WEST SOUTH CENTRAL						
<u>Northern Group</u>						
Central Arkansas	719	774	459	492	1.57	1.57
Fort Smith	0	921	435	439	---	2.10
Oklahoma Metropolitan	740	723	392	386	1.89	1.87
Red River Valley	774	839	504	506	1.54	1.66
Texas Panhandle	795	836	570	477	1.39	1.75
Group total	718	757	425	421	1.69	1.80

Continued

Table 3.--Average daily deliveries per producer by bulk tank and can shippers, Federal milk order markets, January 1959 and January 1960 -Continued

Market	Bulk tanks		Cans		Ratio bulk to can	
	1959	1960	1959	1960	1959	1960
	Pounds		Pounds		Ratio	
WEST SOUTH CENT. -Con.:						
Southern Group						
Northern Louisiana	697	707	426	469	1.64	1.51
New Orleans	676	771	367	387	1.84	1.99
North Texas	1,011	1,000	457	415	2.21	2.41
Central West Texas	930	962	419	591	2.22	1.63
Austin-Waco	1,111	1,153	641	522	1.73	2.21
San Antonio	1,102	1,245	963	1,034	1.14	1.20
Corpus Christi	1,141	1,166	434	610	2.63	1.91
Group total	956	983	440	408	2.17	2.41
MOUNTAIN						
Great Basin	2/	779	2/	508	2/	1.53
Western Colorado	750	807	625	593	1.20	1.36
Colo. Springs-Pueblo	2/	915	2/	489	2/	1.87
Central Arizona	2,588	2,842	1,633	0	1.39	---
Group total 3/	2,208	2,492	661	592	3.34	4.21
Group total		1,230		512		2.40
PACIFIC						
Puget Sound 5/	766	822	346	325	2.21	2.53
Inland Empire	602	646	339	422	1.78	1.53
Group total	718	771	336	325	2.14	2.37
TOTAL 3/	816	831	430	449	1.90	1.85
TOTAL		837		449		1.86

1/ Includes Merrimack Valley prior to merger, July 1, 1959.

2/ Federal milk order not effective or data not reported.

3/ 1960 figures based on only those markets for which data were also reported for 1959.

4/ Cleveland and Akron-Stark County combined prior to merger, August 1, 1959. Renamed Northeastern Ohio.

5/ Data reported for November of previous year.

Table 4.--Number of bulk milk tanks, according to size, Federal milk order markets where tank size was reported, January 1960

Market	Size of tank (gallons)						Total
	Under 150	150- 199	200- 299	300- 399	400- 499	500- more	
	Number						
NEW ENGLAND							
Boston	60	284	709	782	592	478	2,905
Springfield	26	99	162	112	66	48	513
Worcester	22	72	137	110	65	41	447
Southeastern N.England:	20	144	362	341	249	254	1,370
MIDDLE ATLANTIC							
Philadelphia	2	22	82	206	190	202	704
SOUTH ATLANTIC							
Wilmington	0	1	6	17	11	13	48
Washington, D. C.	12	169	621	730	385	252	2,169
Tri-State	22	143	292	171	64	48	740
Bluefield	5	32	67	67	25	31	227
Appalachian	1	26	79	139	71	62	378
Southeastern Florida	0	0	0	0	0	106	106
EAST NORTH CENTRAL							
<u>Eastern Group</u>							
Upstate Michigan	9	35	158	140	55	30	427
Muskegon	8	40	141	123	37	26	375
Detroit	22	246	972	1,256	561	282	3,339
Toledo	5	84	324	250	186	121	970
North Central Ohio	4	56	259	148	80	42	589
Columbus	8	39	170	149	149	97	612
Dayton-Springfield	10	185	587	339	158	76	1,355
Cincinnati	71	332	595	314	146	81	1,539
<u>Western Group</u>							
Mich. Upper Peninsula	1	7	29	43	12	11	103
Northeastern Wisconsin:	56	181	504	216	61	15	1,033
S.Bend-LaPorte-Elkhart:	3	312	372	75	68	22	852
Fort Wayne	0	2	1	0	2	0	5
WEST NORTH CENTRAL							
<u>Northern Group</u>							
Duluth-Superior	4	1/48	191	155	38	14	450
Minneapolis-St. Paul	24	101	738	1,391	583	209	3,046
Eastern South Dakota	2	10	37	33	23	16	121
Sioux Falls-Mitchell	1	19	88	130	56	19	313
Black Hills	3	4	55	38	17	9	126
North Central Iowa	2	24	243	280	192	71	812
Dubuque	0	14	58	76	26	1	175
Cedar Rapids-Iowa City:	7	28	115	382	62	65	659
Quad Cities	1	24	117	216	56	26	440
Des Moines	1	12	129	230	119	154	645
Sioux City	0	0	8	32	72	58	170
Omaha-Lincoln-C.Bluffs:	0	207	660	342	68	63	1,340
Platte Valley	21	34	175	71	27	12	340

Continued

Table 4.--Number of bulk milk tanks, according to size, Federal milk order markets where tank size was reported, January 1960 -Continued

Market	Size of tank (gallons)							Total
	Under	150-	200-	300-	400-	500-		
	150	199	299	399	499	more		
	Number							
WEST NORTH CENT. -Con.								
<u>Southern Group</u>								
St. Louis	2	150	1,156	536	280	140	2,264	
Ozarks	0	0	25	66	95	73	259	
Kansas City	3	16	103	183	188	162	655	
Neosho Valley	0	0	37	59	58	37	191	
Wichita	44	205	295	200	50	40	834	
Southwest Kansas	1	1	22	11	11	46	92	
EAST SOUTH CENTRAL								
Louisville	45	523	946	272	90	29	1,905	
Paducah	7	10	98	98	19	14	246	
Nashville	25	81	300	242	125	82	855	
Memphis	6	12	40	127	61	76	322	
Knoxville	5	27	78	91	46	52	299	
Chattanooga	9	83	167	147	57	60	523	
Mississippi Delta	3	6	25	58	54	61	207	
Central Mississippi	0	15	106	149	77	75	422	
Mississippi Gulf Coast	0	1	11	22	10	11	55	
WEST SOUTH CENTRAL								
<u>Northern Group</u>								
Central Arkansas	0	11	51	208	99	14	383	
Fort Smith	0	0	0	16	4	3	23	
Oklahoma Metropolitan	9	55	307	331	292	235	1,229	
Red River Valley	2	8	60	134	110	80	394	
Texas Panhandle	0	3	33	89	127	173	425	
<u>Southern Group</u>								
Northern Louisiana	6	10	96	200	85	126	523	
New Orleans	1	44	96	138	83	64	426	
Austin-Waco	2	6	43	73	57	101	282	
San Antonio	0	9	64	101	95	231	500	
Corpus Christi	1	12	53	89	72	112	339	
MOUNTAIN								
Great Basin	0	114	290	316	182	248	1,150	
Western Colorado	0	7	21	25	7	27	87	
Colo. Springs-Pueblo	41	30	95	17	10	22	215	
Central Arizona	0	5	81	105	95	132	418	
PACIFIC								
Puget Sound	71	376	967	811	401	411	3,037	
Inland Empire	7	34	162	217	113	109	642	
Total (67 markets) <u>2/</u>	723	4,890	15,071	14,235	7,625	6,101	48,645	

1/ 101-199.

2/ Number of markets for which tank size was reported.

Table 5.--Number of tank trucks, by type of owner, collecting milk from farm bulk tanks, Federal milk order markets, January 1960

Market	:	:	Cooperative	:	:	:
	:	:	associations	:	:	:
	Milk	:	of producers	:	Inde-	Other
	companies:	:	Not	:	pendent	1/
:	:	Operating	operating	haulers	:	Total
:	:	plants	plants	:	:	:
	:	<u>Number</u>				
NEW ENGLAND	:					
Springfield	:	14	0	0	14	28
Worcester	:	14	0	0	7	21
Southeastern N.England:	:	37	0	0	55	92
MIDDLE ATLANTIC	:					
Philadelphia	:	5	0	0	61	68
SOUTH ATLANTIC	:					
Wilmington	:	3	0	0	4	7
Washington, D. C.	:	1	0	5	169	175
Wheeling	:	8	0	0	5	13
Clarksburg	:	0	0	0	1	1
Tri-State	:	5	1	5	19	30
Bluefield	:	4	0	5	1	10
Appalachian	:	1	0	17	0	18
Southeastern Florida	:	0	0	0	20	61
EAST NORTH CENTRAL	:					
<u>Eastern Group</u>	:					
Upstate Michigan	:	2	5	8	1	16
Muskegon	:	3	7	0	4	14
Detroit	:	10	17	0	157	190
Toledo	:	0	0	0	49	49
Northeastern Ohio	:	6	3	0	83	92
North Central Ohio	:	8	0	0	21	29
Columbus	:	1	0	2	35	38
Dayton-Springfield	:	11	4	0	42	57
Cincinnati	:	4	0	0	55	59
<u>Western Group</u>	:					
Mich. Upper Peninsula	:	4	0	0	4	8
Northeastern Wisconsin:	:	16	0	0	39	55
Milwaukee	:	0	0	0	75	75
S.Bend-LaPorte-Elkhart:	:	8	7	0	30	45
Fort Wayne	:	0	0	0	1	1
WEST NORTH CENTRAL	:					
<u>Northern Group</u>	:					
Duluth-Superior	:	5	8	0	2	15
Minneapolis-St. Paul	:	0	11	0	105	116
Eastern South Dakota	:	3	1	2	1	7
Sioux Falls-Mitchell	:	0	0	0	13	13
Black Hills	:	0	0	5	0	6
North Central Iowa	:	11	1	8	17	37
Dubuque	:	1	0	0	5	6
Cedar Rapids-Iowa City:	:	0	30	0	3	33
Quad Cities	:	1	6	0	13	20
Des Moines	:	2	26	0	0	28
Sioux City	:	0	0	7	0	7

Continued

Table 5.--Number of tank trucks, by type of owner, collecting milk from farm bulk tanks, Federal milk order markets, January 1960 -Continued

Market	Milk companies	Cooperative associations of producers	Inde- pendent haulers	Other 1/	Total
		Operating plants	Not operating plants		
WEST NORTH CENT. -Con.					
<u>Northern Group</u> -Con.					
Omaha-Lincoln-C.Bluffs	0	0	0	60	60
Platte Valley	0	0	4	9	13
<u>Southern Group</u>					
St. Louis	1	6	0	117	124
Ozarks	0	5	4	0	9
Kansas City	1	39	8	8	56
Neosho Valley	1	4	1	2	8
Wichita	0	7	1	25	35
Southwest Kansas	3	0	2	0	5
EAST SOUTH CENTRAL					
Louisville	3	0	0	73	76
Paducah	0	0	9	0	9
Nashville	6	0	1	25	32
Memphis	0	1	15	2	18
Knoxville	0	0	15	1	17
Chattanooga	8	0	16	0	24
Mississippi Delta	6	4	0	0	10
Central Mississippi	6	2	10	2	21
Mississippi Gulf Coast	0	1	1	0	2
WEST SOUTH CENTRAL					
<u>Northern Group</u>					
Central Arkansas	0	0	16	0	16
Fort Smith	0	0	1	0	1
Oklahoma Metropolitan	12	2	33	1	49
Red River Valley	8	1	14	2	25
Texas Panhandle	0	0	12	6	18
<u>Southern Group</u>					
Northern Louisiana	4	0	0	19	23
New Orleans	2	1	0	14	17
North Texas	4	7	97	8	116
Central West Texas	0	0	38	0	38
Austin-Waco	10	2	0	2	15
San Antonio	2	0	19	2	49
Corpus Christi	4	0	0	12	26
MOUNTAIN					
Great Basin	7	13	14	1	35
Western Colorado	0	0	1	6	7
Colo. Springs-Pueblo	9	3	0	5	17
Central Arizona	20	1	3	14	44
PACIFIC					
Puget Sound	19	49	2	42	116
Inland Empire	6	8	0	6	20
TOTAL (72 markets)	330	283	401	1,575	2,691

1/ Independent producers or cooperative producer hauling associations.

Table 6.-- Percent of bulk tank truck routes on which milk is collected every other day and percent of can routes on which milk is collected daily, Federal milk order markets, January 1960

Market	Routes		Market	Routes	
	Bulk	Can		Bulk	Can
	every	other		every	other
	day	daily		day	daily
	Percent			Percent	
NEW ENGLAND			WEST NORTH CENT. -Con.		
Boston	99	99	Northern Group -Can.		
Springfield	99	99	Des Moines	100	100
Worcester	84	90	Sioux City	100	0
Southeastern N.England	95	68	Omaha-Lincoln-C.Bluffs	100	100
			Platte Valley	100	20
MIDDLE ATLANTIC					
New York-New Jersey	93	100	Southern Group		
Philadelphia	96	100	St. Louis	100	100
			Ozarks	100	100
SOUTH ATLANTIC			Kansas City	100	100
Wilmington	100	100	Neosho Valley	100	100
Washington, D. C.	71	86	Wichita	100	100
Wheeling	90	96	Southwest Kansas	97	95
Clarksburg	0	98			
Tri-State	100	100	EAST SOUTH CENTRAL		
Bluefield	100	100	Louisville	96	100
Appalachian	100	100	Paducah	100	100
Southeastern Florida	50	0	Nashville	100	100
			Memphis	100	100
EAST NORTH CENTRAL			Knoxville	78	68
Eastern Group			Chattanooga	100	100
Upstate Michigan	100	100	Mississippi Delta	100	68
Muskegon	100	100	Central Mississippi	94	97
Detroit	99	99	Mississippi Gulf Coast	100	100
Toledo	99	100			
Northeastern Ohio	90	99	WEST SOUTH CENTRAL		
North Central Ohio	98	99	Northern Group		
Columbus	99	100	Central Arkansas	100	98
Dayton-Springfield	100	100	Fort Smith	100	100
Cincinnati	99	99	Oklahoma Metropolitan	94	95
			Red River Valley	100	80
Western Group			Texas Panhandle	100	100
Mich. Upper Peninsula	100	100			
Northeastern Wisconsin	62	100	Southern Group		
Milwaukee	60	100	Northern Louisiana	100	40
Chicago	29	100	New Orleans	100	100
S.Bend-LaPorte-Elkhart	75	100	North Texas	96	79
Fort Wayne	100	100	Central West Texas	100	100
			Austin-Waco	96	97
WEST NORTH CENTRAL			San Antonio	100	100
Northern Group			Corpus Christi	87	100
Duluth-Superior	100	83			
Minneapolis-St. Paul	100	100	MOUNTAIN		
Eastern South Dakota	100	0	Great Basin	100	100
Sioux Falls-Mitchell	99	100	Western Colorado	100	100
Black Hills	93	0	Colo. Springs-Pueblo	90	100
North Central Iowa	100	100	Central Arizona	25	0
Dubuque	96	0			
Cedar Rapids-Iowa City	100	100	PACIFIC		
Quad Cities	98	100	Puget Sound	98	60
			Inland Empire	100	63

